

identifying an automatically substituted code in the response data, the automatically substituted code inserted into the data by the server to reduce a size of the response data;

replacing the code in the response data with corresponding terms associated with the code from in the storage module in the device, prior to displaying the data on the device.

10A. (Proposed Amendment) A service provider for providing data to a device via a low bandwidth connection, the service provider comprising:

a database including a plurality of codes and associated terms;

a formatting logic to retrieve ~~the~~ response data in response to a request from the device;

a substitution logic to automatically replace a term in the response data with a code, the automatically substituted code reducing a size of the response data; and  
a transmission logic to transmit the response data including the code to the device.

10B. (Proposed Amendment) A service provider for providing data to a device via a low bandwidth connection, the service provider comprising:

a database including a plurality of codes and associated terms, the codes and terms corresponding to codes and terms in a storage module in the device;

an analysis logic to receive a request for data from the device

a formatting logic to retrieve ~~the~~ response data in response to a the request from the device;

a substitution logic to automatically replace a term in the response data with a code, the automatically substituted code reducing a size of the response data; and

a transmission logic to transmit the response data including the code to the device, such that the device is capable of replacing the code with the original term prior to displaying the data to the user.

15. (Proposed Amendment) A portable device to receive data processed by a server, the server creating formatted Web content from original data, the device comprising:

- a low bandwidth connection to a network to receive formatted Web content including one or more codes from a server in response to a request;
- a storage module including a plurality of codes and associated data;
- a substitution logic for detecting the codes in the formatted Web content and substituting the associated data for each of the codes, to recreate the original data;
- such that the bandwidth of data transferred over the low bandwidth connection is reduced by transmitting the codes instead of the associated data.

22. (Proposed Amendment) A system comprising:

- a first device having a low bandwidth connection to a network, the first device including a storage module to store a plurality of codes and associated data elements;
- a second device for preparing data for transmission to display on the first device; the second device including a copy of the data on the storage module including the plurality of codes and associated data elements, and
- the second device to automatically substitute a code for a replacing a data element sent to the prior to sending the data to the first device with a code, if the data element is in the storage module; whereby the bandwidth used for transmitting the data to the first device is reduced.

Any comments, questions, or suggestions would be appreciated.

Best Regards,

Blakely, Sokoloff, Taylor & Zafman



Judith Szepesi

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